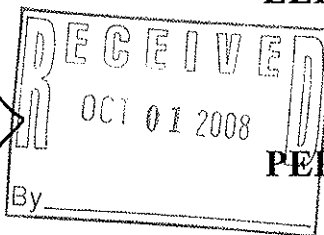
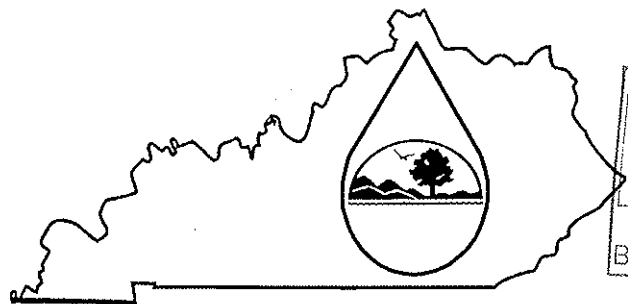


# KPDES FORM 1

AI 35400

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM



### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Form SC

For additional information contact:

KPDES Branch (502) 564-3410

<b>I. FACILITY LOCATION AND CONTACT INFORMATION</b>		AGENCY USE	0023892
A. Name of business, municipality, company, etc. requesting permit <b>MARSHALL CO. BOARD OF EDUCATION</b>			
B. Facility Name and Location		C. Primary Mailing Address (all facility correspondence will be sent to this address). Include owner mailing address on a separate sheet if different.	
Facility Location Name: <b>SHARPE ELEM. SCHOOL</b>		Facility Contact Name and Title: Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> <b>DANNY E. DAVIS, DIRECTOR OF FACILITIES</b>	
Facility Location Address (i.e. street, road, etc., not PO Box): <b>8400 US Hwy 68 WEST</b>		Mailing Address: <b>86 HIGH SCHOOL RD.</b>	
Facility Location City, State, Zip Code: <b>BENTON, KY 42025</b>		Mailing City, State, Zip Code: <b>BENTON, KY 42025</b>	
		Facility Contact Telephone Number: <b>(270) 527-7102</b>	

<b>II. FACILITY DESCRIPTION</b>			
A. Provide a brief description of activities, products, etc: <b>PUBLIC SCHOOLS</b>			
B. Standard Industrial Classification (SIC) Code and Description			
Principal SIC Code & Description:	<b>SANITARY WASTE WATER</b>		
Other SIC Codes:			

<b>III. FACILITY LOCATION</b>	
A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)	
B. County where facility is located: <b>MARSHALL</b>	City where facility is located (if applicable): <b>SHARPE</b>
C. Body of water receiving discharge: <b>UNNAMED TRIBUTARY (MILE 0.3 OF LITTLE CYPRESS (MILE 7.74))</b>	
D. Facility Site Latitude (degrees, minutes, seconds): <b>36° 58' 30"</b>	Facility Site Longitude (degrees, minutes, seconds): <b>88° 28' 0"</b>
E. Method used to obtain latitude & longitude (see instructions): <b>MAP COORDINATES</b>	
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):	

<b>IV. OWNER/OPERATOR INFORMATION</b>	
A. Type of Ownership: <input checked="" type="checkbox"/> Publicly Owned <input type="checkbox"/> Privately Owned <input type="checkbox"/> State Owned <input type="checkbox"/> Both Public and Private Owned <input type="checkbox"/> Federally owned	
B. Operator Contact Information (See instructions)	
Name of Treatment Plant Operator: <b>Ronald Norwood</b>	Telephone Number: <b>(270) 527-<del>8228</del> 7102</b>
Operator Mailing Address (Street): <b>86 High School Rd. c/o M.C.B.O.E</b>	
Operator Mailing Address (City, State, Zip Code): <b>Benton, Ky 42025</b>	
Is the operator also the owner? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the operator certified? If yes, list certification class and number below. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Certification Class: <b>T</b>	Certification Number: <b>16014</b>

<b>V. EXISTING ENVIRONMENTAL PERMITS</b>		
Current NPDES Number: <b>KY 002 3892</b>	Issue Date of Current Permit: <b>January 1, 2004</b>	Expiration Date of Current Permit: <b>MARCH 31, 2009</b>
Number of Times Permit Reissued:	Date of Original Permit Issuance: <b>12-1-2000</b>	Sludge Disposal Permit Number: <b>N/A</b>
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit Number(s):	

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source		
Solid or Special Waste		
Hazardous Waste - Registration or Permit		

<b>VI. DISCHARGE MONITORING REPORTS (DMRs)</b>
--

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):	<b>Danny E. Davis</b>
DMR Official Telephone Number:	<b>(270) 527-7102</b>

B. DMR Mailing Address:	
<ul style="list-style-type: none"> <li>Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or</li> <li>Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.</li> </ul>	
DMR Mailing Name:	<b>McLoy and McLoy Laboratories Inc</b>
DMR Mailing Address:	<b>P.O. Box 907</b>
DMR Mailing City, State, Zip Code:	<b>MADISONVILLE, KY 42431</b>

## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category: <i>N/A</i>	Filing Fee Enclosed: <i>N/A</i>
--------------------------------------	------------------------------------

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> <i>TRENT LOWETT, SUPERVISOR</i>	TELEPHONE NUMBER (area code and number): <i>(270) 527-8628</i>
SIGNATURE <i>Trent Lowett</i>	DATE: <i>9/28/08</i>

# KPDES FORM 1 -- INSTRUCTIONS

Listed below are explanations of select Form 1 questions. If further information is needed concerning any question, please **contact Division of Water, KPDES Branch at (502) 564-3410.**

## I. Facility Location and Contact Information

- A. Use the official or legal name of the business, company, municipality, etc. requesting permit.
- B. The facility name should be the name by which the facility is commonly known and/or uniquely identified. The information given as the facility name and location address should be the actual location of the facility (i.e. road name, highway number, not the P O Box address).
- C. The primary mailing address should be the legal permittee of record and is the address where correspondence regarding the application, permit, etc. for the facility will be sent unless otherwise indicated. The owner mailing address is to be provided on a separate sheet if different from the primary mailing address.

## II. Facility Description

- A. Briefly describe the nature of the business and the activities being conducted that require a KPDES permit.
- B. The SIC codes are numbers and descriptions of activities classified by the Executive Office of the President, Office of Management and Budget. These are found in the 1987 Edition of the Standard Industrial Classification (SIC) Manual. List the SIC codes(s) that best describe the products or services provided by the facility in descending order of importance. If an SIC code book is not available, please describe in detail the nature of the business and activities conducted so that an appropriate code can be assigned.

## III. Facility Location

- A. Attach a U.S. Geological Survey (USGS), 7 1/2 minute topographic quadrangle map(s) extending at least one mile beyond the property boundary of the discharge source. Depict or mark the facility and each of its intake and discharge structures. Also mark the locations of those wells, springs, surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within one-quarter mile of the facility property boundary. USGS maps may be obtained from the University of Kentucky, Mines and Minerals Bldg. Room 106, Lexington, Kentucky 40506. Phone: (859) 257-3896.
- B. List the county and, if applicable, city where facility is located.
- C. List the body of water receiving discharge.
- D. List the latitude and longitude for the facility site. The latitude/longitude reading for the site should be taken at the influent to the wastewater treatment plant, if applicable.
- E. List the method used to obtain the latitude and longitude (i.e. topo map coordinates, GPS reading, etc.)
- F. List the facility's Dun and Bradstreet Number if applicable.

## IV. Owner/Operator Information

- A. Place a check in the applicable type ownership as listed.
- B. These sections must be completed by **all municipal and sanitary wastewater applicants** and other facilities as applicable.
  - List the name and address of the person who operates the sewage treatment plant.
  - Indicate if the operator is also the owner.
  - The operator must be currently certified with the Division of Water. For information concerning those requirements, contact: Division of Water, Certification Section, at (502) 564-3410.
  - List the Operator's Certification Class and Certification Number.
- V. List any existing environmental permits which the facility has or will be applying for.
- VI. List the address where Discharge Monitoring Report (DMR) forms are to be mailed.

## VII. Application Filing Fee

The payment of a filing fee as listed below must accompany the application for a KPDES Permit. **(Your check must be made payable to "Kentucky State Treasurer." For permit renewals, to ensure your account is properly credited, please include the KPDES permit number on the check.)** This fee will be applied toward the final discharge permit fee. The filing fee is not refundable if the application is withdrawn or the permit is denied. Listed below are the facility categories, associated base fees, and application filing fees. (See the "General Instructions" for definitions of facility categories.)

Facility Category	Base Fee	Application Filing Fee
Major Industry	\$3,200	\$640
Minor Industry	\$2,100	\$420
Non-Process Industry	\$1,000	\$200
Large Non-POTW	\$1,700	\$340
Intermediate Non-POTW	\$1,500	\$300
Small Non-POTW	\$1,000	\$200
Agriculture	\$1,200	\$240
Surface Mining Operation	\$1,200	\$240
501(c)(3)	\$100	\$20

If this application is for a new project, see the General Instructions for the applicable Construction Permit fee.

A permit application cannot be processed unless the application filing fee and (if applicable) construction permit fee is enclosed. Make your check payable to "Kentucky State Treasurer."

## VIII. Certification

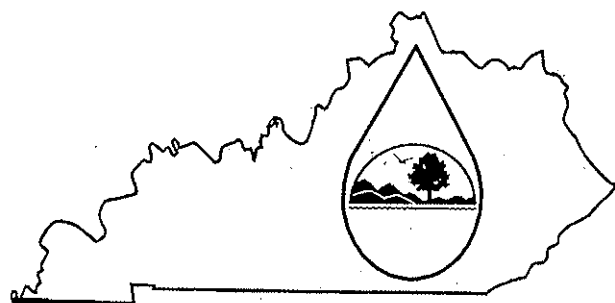
The permit application must be signed as follows:

**Corporation:** by a principal executive officer of at least the level of vice president.

**Partnership or sole proprietorship:** by a general partner or the proprietor respectively.

**Municipality, state, federal, or other public agency:** by either a principal executive officer or ranking elected official.

# KPDES FORM SC



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form 1.  
For additional information, contact: KPDES Branch, (502) 564-3410.

NAME OF FACILITY: <b>SHARPE ELEMENTARY SCHOOL</b>							
I. FACILITY DISCHARGE FREQUENCY				AGENCY USE			
A. Do discharge(s) occur all year? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Complete Item IX for intermittent discharges.)							
B. How many days per week? <b>7</b>							
II. A. Give the basis of design for sizing of the wastewater facility (see instructions):  <div style="text-align: center; font-size: 1.2em;"><b>314 STUDENTS</b></div>							
B. If new discharger, indicate anticipated discharge date:							
C. Indicate the design capacity of the treatment system:				<b>.005</b> MGD			

#### III. Outfall Location (see instructions)

Outfall (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
<b>001</b>	<b>36°</b>	<b>58'</b>	<b>30"</b>	<b>88°</b>	<b>28'</b>	<b>0"</b>	<b>UNNAMED TRIBUTARY</b> <b>W. OF 0.3 OF RIVER</b> <b>AT LITTLE CREEK</b> <b>(MILE 7.74)</b>
Method used to obtain latitude/longitude (i.e. GPS unit, USGS topographic map coordinates, etc.)				<b>MAP COORDINATES</b>			

#### IV. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (see instructions)

If wastewater other than domestic or sanitary is listed, complete page 4 in addition to page 1 and 2.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	List treatment components	List Codes from Table SC-1
001	SANITARY WASTEWATER	0.0007 MGD	PHYSICAL TREATMENT	10
				14
			(DESIGN) CHEMICAL (0.005) TREATMENT	2F
			BIOLOGICAL TREATMENT	3A
			SLUDGE TREATMENT	58
			(NO STORM WATER INFLOW)	

RETENTION TIME 6.4 DAYS

#### V. Check the type(s) of wastewater discharged.

- ☐ Domestic (60% or more sanitary sewage)
 ☐ Oil field waste  
☐ Noncontact cooling water
 ☐ Other (list):

#### VI. Does all water used at facility (except for human consumption) flow to a treatment plant? ☒ Yes ☐ No

#### VII. Discharge to other than surface waters. Check appropriate location:

- ☐ Publicly-owned lake or impoundment Name of lake: NA  
☐ Publicly-owned treatment works (POTW). Name of POTW:  
☐ Land application of Effluent  
☐ Surface injection (Check term and identify on map) ☐ lateral field; ☐ sinkhole; ☐ sinking stream; ☐ deep well  
☐ Closed Circuit (Check appropriate term) ☐ Holding tank; ☐ Mechanical evaporation; ☐ Waste impoundment

#### VIII. Check the metals present in the discharge if applicable and indicate the quantity discharged per year. (Indicate units).

<input type="checkbox"/>	Antimony	
<input type="checkbox"/>	Arsenic	
<input type="checkbox"/>	Beryllium	
<input type="checkbox"/>	Cadmium	
<input type="checkbox"/>	Chromium	

<input type="checkbox"/>	Copper	
<input type="checkbox"/>	Lead	
<input type="checkbox"/>	Mercury	
<input type="checkbox"/>	Nickel	
<input type="checkbox"/>	Selenium	

<input type="checkbox"/>	Silver	
<input type="checkbox"/>	Thallium	
<input type="checkbox"/>	Zinc	
<input type="checkbox"/>		
<input type="checkbox"/>		

IX. INTERMITTENT DISCHARGES (Complete this section for intermittent discharges.)

A. Number of bypass points:

NONE

(If bypass points are indicated, information below must be completed for each bypass.)

Check when bypass occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of bypass incidents	per year	per year
Give average duration of bypass	hours	hours
Give average volume per incident	1,000 gallons	1,000 gallons
Give reason why bypass occurs:		

B. Number of Overflow Points:

(If discharge is from an overflow point, the information below must be completed.)

Check when overflow occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of overflow incidents:	per year	per year
Give average duration of overflow:	hours	hours
Give average volume per incident:	1,000 gallons	1,000 gallons

C. Number of seasonal discharge points

Give the number of times discharge occurs per year	
Give the average volume per discharge occurrence	(1,000 gallons)
Give the average duration of each discharge	(days)
List month(s) when the discharge occurs	

X. AREA SERVED (see instructions)

NAME	ACTUAL POPULATION SERVED
SHARPE ELEMENTARY SCHOOL	314
TOTAL POPULATION SERVED	314

**XI. COOLING WATER ADDITIVES AND THEIR COMPOSITIONS**

Additive	Composition	Concentration (mg/l)

**XII. EFFLUENT CHARACTERISTICS**

A. Indicate results of analysis for pollutants listed below.

POLLUTANT/PARAMETER	MAX DAILY VALUE	AVG DAILY VALUE	NUMBER OF SAMPLES
BOD <sub>5</sub> <i>CR006</i>	<i>28</i>	<i>28</i>	<i>1</i>
TOTAL SUSPENDED SOLIDS	<i>50</i>	<i>50</i>	<i>1</i>
FECAL COLIFORM	<i>&gt;600</i>	<i>7600</i>	<i>1</i>
TOTAL RESIDUAL CHLORINE	<i>NOT ANALYZED - REQUEST WAIVER</i>		
OIL AND GREASE			
CHEMICAL OXYGEN DEMAND			
TOTAL ORGANIC CARBON			
AMMONIA	<i>23</i>	<i>23</i>	<i>1</i>
<i>WATER USAGE</i> DISCHARGE FLOW <i>BELL</i>			<i>TOTAL 36,300</i>
PH	<i>7.6</i>	<i>7.6</i>	<i>1</i>
TEMPERATURE (WINTER)	<i>NOT ANALYZED - REQUEST WAIVER</i>		
TEMPERATURE (SUMMER)			

B. Frequency and duration of flow:

*TOTAL GALLONS FROM WATER BELL (MONTHLY)***XIII. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):

TELEPHONE NUMBER (area code and number):

*Trent Lovett, Superintendent**(710) 527-8628*

SIGNATURE

DATE

*Trent Lovett**9/29/08*



**McCoy & McCoy Laboratories, Inc.**

P. O. Box 907

Madisonville, KY 42431

www.mccoyslabs.com



Lexington KY

859-299-7775

Madisonville KY

270-821-7375

Paducah KY

270-444-6547

Pikeville KY

606-432-3104

T.Tapp-Bowles@mccoyslabs.com

Marshall Co Board of Education

Attn: Danny Davis

Jonathan Elementary

86 High School Rd

Benton KY 42025

Batch #: 08081298

Received: 08/13/2008

Reported: 08/21/2008

Client: MA2920

Page: 1 of 2

**Analysis Report**

Copy

**AG15478** 001 Effluent KY0023884 Collected: 8/13/2008

Jonathan

Test Description	Analyzed	By	Method	Result	Units	Report Limit	Note
pH (Field)	08/13/2008	JPM	EPA 150.1	3.81	STD		<
Time of Analysis, pH (Field)	08/13/2008	JPM	EPA 150.1	1145	hr/min		
Dissolved Oxygen (field)	08/13/2008	JPM	EPA 360.1	3.1	mg/l	0.5	<
Time of Analysis, Dissolved Oxygen (fld)	08/13/2008	JPM	EPA 360.1	1145	hr/min		
Flow Reading (Client)	08/13/2008	CLT	n/a	NDP	MGD		
Tot. Suspended Solids Pad	08/15/2008	JTW	SM 2540 D*	111	mg/l	1	>
Ammonia as N by electrode Pad	08/18/2008	JTW	SM 4500 NH3	3.8	mg/l	1.0	
Carbonaceous BOD Pad	08/14/2008	JTW	SM 5210 B*	5	mg/l	2	
Fecal Coliform, (MF)	08/13/2008	JPM	SM 9222 D*	>600	#/100 mls	10	>
Time of Analysis, Fecal	08/13/2008	JPM	SM 9222 D*	1405	hr/min		

**AG15479** 001 Effluent KY0023892 Collected: 8/13/2008

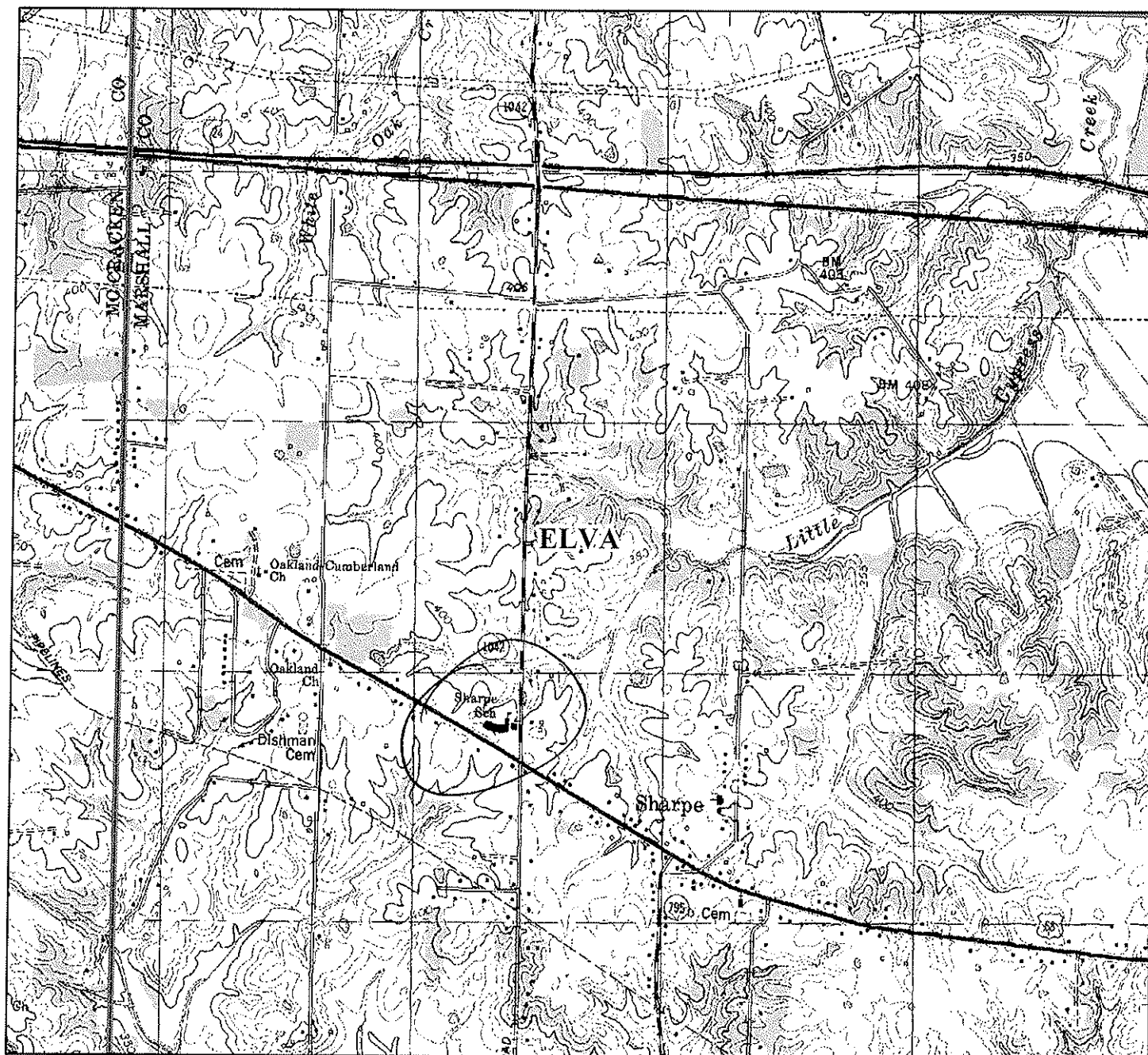
Sharpe

Test Description	Analyzed	By	Method	Result	Units	Report Limit	Note
pH (Field)	08/13/2008	JPM	EPA 150.1	7.6	STD		
Time of Analysis, pH (Field)	08/13/2008	JPM	EPA 150.1	1240	hr/min		
Dissolved Oxygen (field)	08/13/2008	JPM	EPA 360.1	3.2	mg/l	0.5	<
Time of Analysis, Dissolved Oxygen (fld)	08/13/2008	JPM	EPA 360.1	1240	hr/min		
Flow Reading (Client)	08/13/2008	CLT	n/a	NDP	MGD		
Tot. Suspended Solids Pad	08/15/2008	JTW	SM 2540 D*	50	mg/l	1	
Ammonia as N by electrode Pad	08/18/2008	JTW	SM 4500 NH3	23	mg/l	1.0	
Carbonaceous BOD Pad	08/14/2008	JTW	SM 5210 B*	28	mg/l	2	>
Fecal Coliform, (MF)	08/13/2008	JPM	SM 9222 D*	>600	#/100 mls	10	>
Time of Analysis, Fecal	08/13/2008	JPM	SM 9222 D*	1410	hr/min		


## Date: 9/23/2008

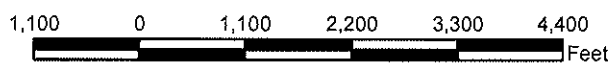
Assisted By: Angle, Dianna S

District: BENTON SOIL & WATER CONSERVATION DISTRICT



## Consplan\_MCHS

-  Marshall County Boundary
-  Topo\_Quad\_Name\_ky157



# TOPO Map - Sharpe Elementary School

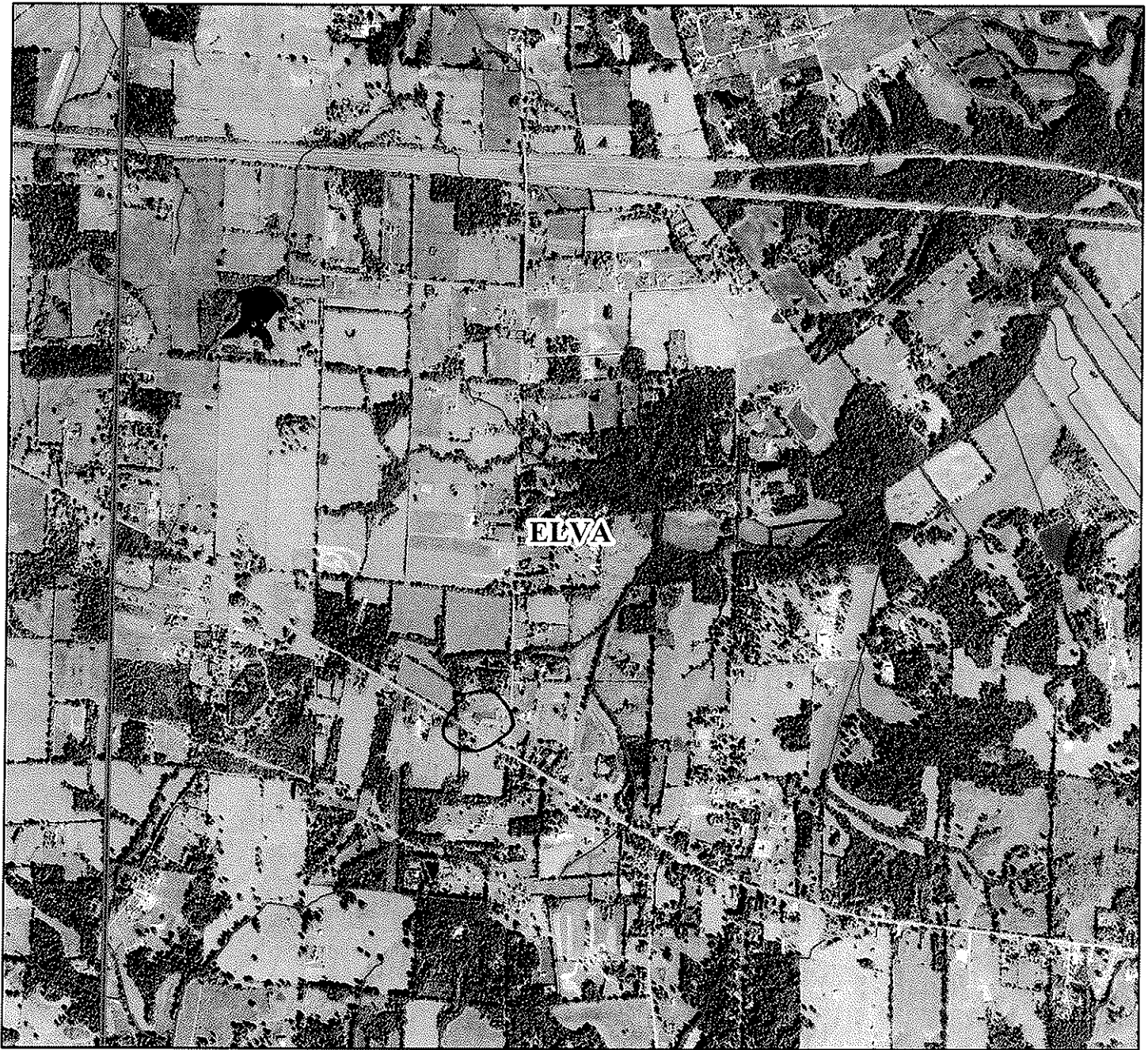
Date: 9/23/2008

Field Office: BENTON SERVICE CENTER

Agency: USDA-NRCS

Assisted By: Angle, Dianna S

District: BENTON SOIL & WATER CONSERVATION DISTRICT




## Legend

Consplan\_MCHS

 Marshall County Boundary

 Streams\_ky\_157

 Topo\_Quad\_Name\_ky157



1,100 0 1,100 2,200 3,300 4,400  
Feet

N

